



*Modular Mixing Plants  
for  
RCC & Concrete Dams.*



**MODUMIX** 

by

  
**ARAN**  
*Continuous Innovation*

*Uninterrupted continuous concrete production.*



The first Aran mixed RCC dam was built in 1984!



Aran machines are carefully integrated and tightly defined packages which are developed for both long and short term operations, mostly in very remote locations.

Aran continuous mixing technology based on more than 30 years of specialist experience has taken the experimentation out of preparing RCC. In fact, Aran plants are used around the world for mixing all kinds of construction materials from the highest quality concrete roads to large Roller Compacted Concrete dams.

Aran technology defines the many advantages of the continuous metering and mixing process. Rates are infinitely adjustable from 180 to 450 compacted cubic metres per hour without need to stop and change recipes. Uninterrupted continuous and smooth flow of accurately proportioned and thoroughly mixed concrete is ideally matched to conveyor placement systems. If trucks are used, the Aran system can also make variable load sizes to suit each truck type. The fast and secure answer for RCC mixing is an Aran MODUMIX plant. Its cost, productivity and performance advantages are evident. The Aran MODUBATCH modular batching plant family builds on Aran expertise in modular packaging to suit the preference for a batching technique for some projects.

Your partner for producing RCC and concrete, Aran offers project based rental and mixing services complete with experienced operators.

**Aran MODUMIX II & III.**  
The fast, versatile, and compact mixing system for RCC Dams of all sizes

**Aran MODUMIX II and MODUMIX III system features include;**

Throughput; 180 to 500 compacted cubic metres per hour.  
Hoppers and feeders designed for free flow with minimal bridging.  
Layout for direct feed from wheel loader or stockpile reclaim and conveyors.  
Weighing on all non liquid metering feeders.  
Four, three or two aggregate feed models available.  
Accurate proportioning of all ingredients before entering the mixer.  
Two binder silos with high capacity fan assisted filters.  
Aran SiloFeed III metering system with confirmatory weighing for cement and pozzolan.

High Intensity twin shaft FlexiClean "through" mixer.  
Easy Clean features with flexible opening walls and moving belt floor.  
Excellent access for cleaning and maintenance. Built in pressure washer.

Superior quality components and design for optimum availability.  
Fully automatic controls with instant response recipe change.  
Moisture meters on fines feeds and auto correction of added water.  
Premium control and electrical components for remote environments.  
When all of the costs are counted, an Aran machine is way in front of traditional alternatives.

**MODUMIX II & MODUMIX III plants are complete, pre-assembled in container sized interconnecting modules, factory tested, regulation compliant, and work right out of the box**

Installation of a standard Aran plant can be accomplished in a few days.

No need for costly foundations, days of crane time, and huge erection costs as required with tower type batch plants. Even the electrics plug together from module to module.

Aran Bulk Storage silo groups are either modular or cylindrical. For bulk cement and pozzolan transfer Aran offers modular APTS pneumatic dense phase systems.

Remote modular feed and metering systems are integrated with both MODUMIX & MODUBATCH mixing plants.

Modular wet immersion and chilled water aggregate cooling systems keep the plant footprint compact. Aran MCS modular conveyors are the modern answer to site delivery systems. These mix and match systems are reusable and easily stored.





### Australia & International

#### **ARAN INTERNATIONAL Pty. Ltd.**

ABN 65 101 712 529  
PO Box 1539, Capalaba BC, Qld,  
Australia 4157  
Phone: +61 7 3206 3782  
Fax: +61 7 3206 3843  
Web: [www.aran.com.au](http://www.aran.com.au)  
Email: [sales@aran.com.au](mailto:sales@aran.com.au)

### Malaysia & Asia

#### **ARAN INTERNATIONAL Sdn. Bhd.**

P.T. 14471, Persiaran Batu Gajah Perdana 2,  
Taman Perindustrian Batu Gajah Perdana,  
31000, Batu Gajah,  
Perak, Malaysia  
Phone: +60 5 312 5248  
Fax: +60 5 312 5249  
Email: [sales@aran.com.au](mailto:sales@aran.com.au)

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